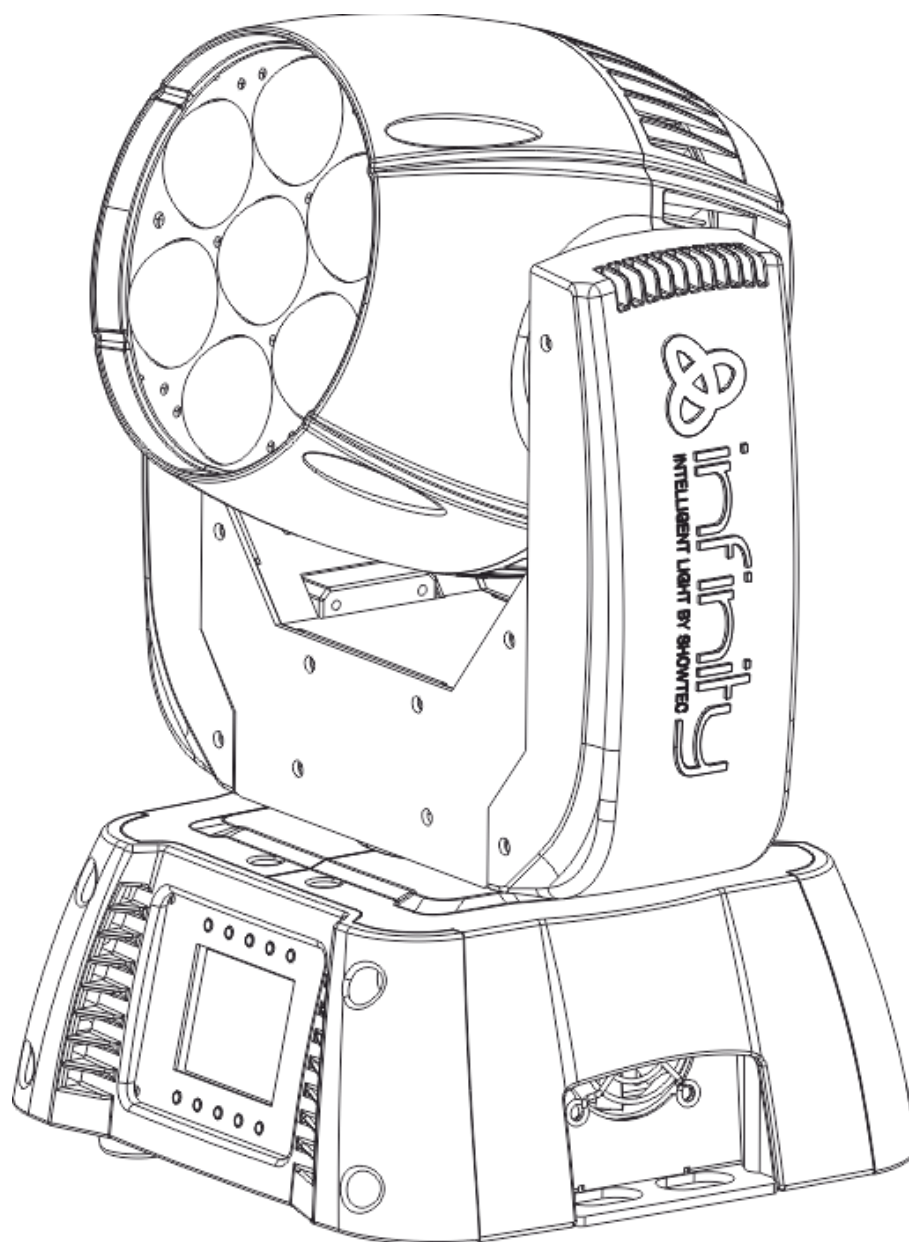




## MANUAL



ENGLISH

# Infinity iW-715

Ordercode: 41520

## Table of contents

|                                                 |    |
|-------------------------------------------------|----|
| <b>Warning</b> .....                            | 2  |
| Safety Instructions .....                       | 2  |
| Operating Determinations .....                  | 4  |
| Rigging .....                                   | 4  |
| Connection with the mains.....                  | 6  |
| Return Procedure.....                           | 6  |
| Claims.....                                     | 6  |
| <b>Description of the device</b> .....          | 7  |
| Overview .....                                  | 8  |
| Backside.....                                   | 8  |
| <b>Installation</b> .....                       | 9  |
| <b>Set Up and Operation</b> .....               | 9  |
| Control Modes.....                              | 9  |
| One Infinity (Built-in Programs).....           | 9  |
| Multiple Infinity's (Master/Slave control)..... | 9  |
| Multiple Infinity's (DMX Control) .....         | 10 |
| Fixture Linking .....                           | 11 |
| Data Cabling .....                              | 11 |
| Control Panel .....                             | 12 |
| Control Mode .....                              | 12 |
| DMX Addressing .....                            | 12 |
| Menu Overview.....                              | 13 |
| Main Menu Options.....                          | 14 |
| 1. DMX Addressing.....                          | 14 |
| 2. Edit Mode .....                              | 15 |
| 3. Settings Menu .....                          | 15 |
| 4. Built-in Programs.....                       | 16 |
| 5. Test Menu .....                              | 17 |
| 6. Information Menu .....                       | 17 |
| DMX Channels .....                              | 18 |
| 14 Channels (Advanced).....                     | 18 |
| 7 Channels (Basic) .....                        | 21 |
| Channel settings .....                          | 23 |
| <b>Maintenance</b> .....                        | 23 |
| Replacing a Fuse .....                          | 23 |
| Battery Replacement.....                        | 24 |
| <b>Troubleshooting</b> .....                    | 25 |
| <b>Product Specification</b> .....              | 27 |

## Warning



**For your own safety, please read this user manual carefully  
before your initial start-up!**

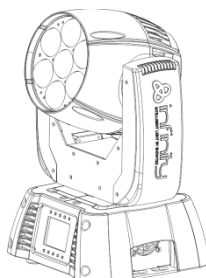
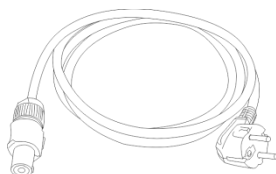
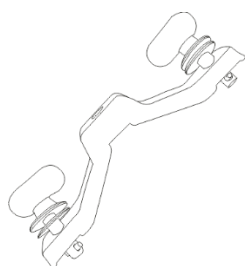


### Unpacking Instructions

Immediately upon receiving this product, carefully unpack the carton and check the contents to ensure that all parts are present, and have been received in good condition. Notify the dealer immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

### Your shipment includes:

- Showtec Infinity iW-715 LED Wash with Powercon powercable 0,9m
- 1 bracket for truss mounting (spare part number SPC1159)
- User manual



### LED Expected Lifespan

LEDs gradually decline in brightness over time. HEAT is the dominant factor that leads to the acceleration of this decline. Packaged in clusters, LEDs exhibit higher operating temperatures than in ideal or singular optimum conditions. For this reason when all color LEDs are used at their fullest intensity, life of the LEDs is significantly reduced. If improving your lifespan expectancy is of a higher priority, place care in providing for lower operational temperatures. This may include climatic-environmental and the reduction of overall projection intensity.

### Safety Instructions

Every person involved with the installation, operation and maintenance of this device has to:

- be qualified
- follow the instructions of this manual



**CAUTION! Be careful with your operations.  
With a dangerous voltage you can suffer  
a dangerous electric shock when touching the wires!**



Before your initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

This device contains no user-serviceable parts. Refer servicing to qualified technicians only.

**IMPORTANT:**

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

- Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the unit.
- Never use anything to cover the ground contact.
- Never lift the fixture by holding it at the projector-head, as the mechanics may be damaged. Always hold the fixture at the transport handles.
- Never place any material over the lens.
- Never look directly into the light source.
- Never leave any cables lying around.
- Never unscrew the screws of the rotating gobo, as the ball bearing will otherwise be opened.
- Do not insert objects into air vents.
- Do not connect this device to a dimmerpack.
- Do not switch the device on and off in short intervals, as this would reduce the device's life.
- Do not touch the device's housing bare-handed during its operation (housing becomes very hot). Allow the fixture to cool for at least 5 minutes before handling.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Only use device indoor, avoid contact with water or other liquids.
- Only operate the fixture after having checked that the housing is firmly closed and all screws are tightly fastened.
- Only operate the device after having familiarized with its functions.
- Avoid flames and do not put close to flammable liquids or gases.
- Always keep case closed while operating.
- Always allow free air space of at least 50 cm around the unit for ventilation.
- Always disconnect power from the mains, when device is not used or before cleaning! Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.
- Make sure that the device is not exposed to extreme heat, moisture or dust.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power-cord is never crimped or damaged. Check the device and the power-cord from time to time.
- If the lens is obviously damaged, it has to be replaced. So that its functions are not impaired, due to cracks or deep scratches.
- If device is dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- If your Showtec device fails to work properly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Showtec dealer for service.
- For adult use only. Movinghead must be installed out of the reach of children. Never leave the unit running unattended.
- Never attempt to bypass the thermostatic switch or fuses.
- For replacement use fuses of same type and rating only.
- The user is responsible for correct positioning and operating of the Infinity. The manufacturer will not accept liability for damages caused by the misuse or incorrect installation of this device.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- During the initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.



**CAUTION! Eyedamages!!!**  
**Avoid looking directly into the lightsource!!!**  
**(meant especially for epileptics)!!!**



## Operating Determinations

- This device is not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects.
- The minimum distance between light-output and the illuminated surface must be more than 1 meter.
- The maximum ambient temperature  $t_a = 45^\circ\text{C}$  must never be exceeded.
- The relative humidity must not exceed 50 % with an ambient temperature of  $40^\circ\text{C}$ .
- If this device is operated in any other way, than the one described in this manual, the product may suffer damages and the warranty becomes void.
- Any other operation may lead to dangers like short-circuit, burns, electric shock, crash etc.

You endanger your own safety and the safety of others!

## Rigging

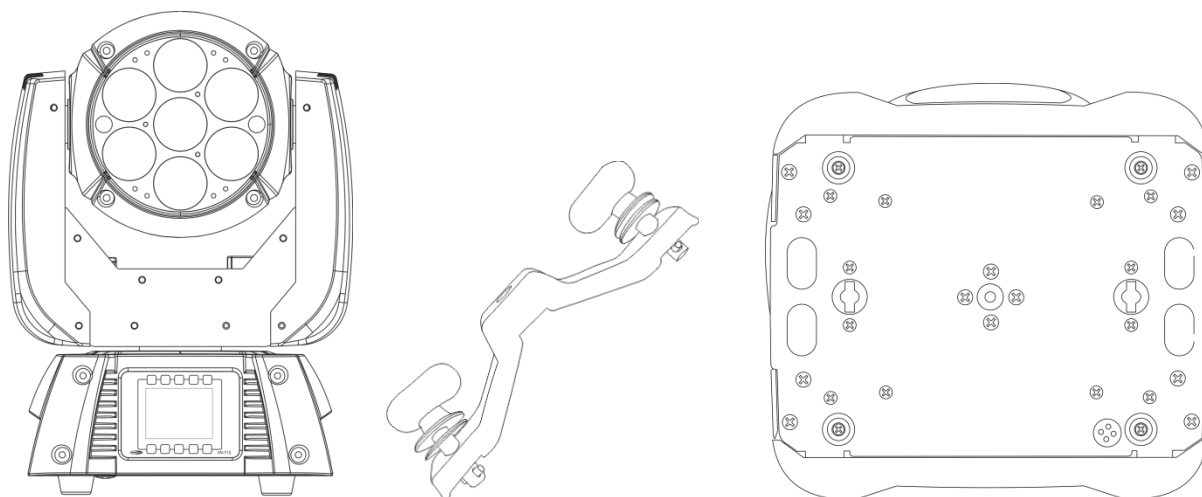
Please follow the European and national guidelines concerning rigging, trussing and all other safety issues.

Do not attempt the installation yourself !

Always let the installation be carried out by an authorized dealer !

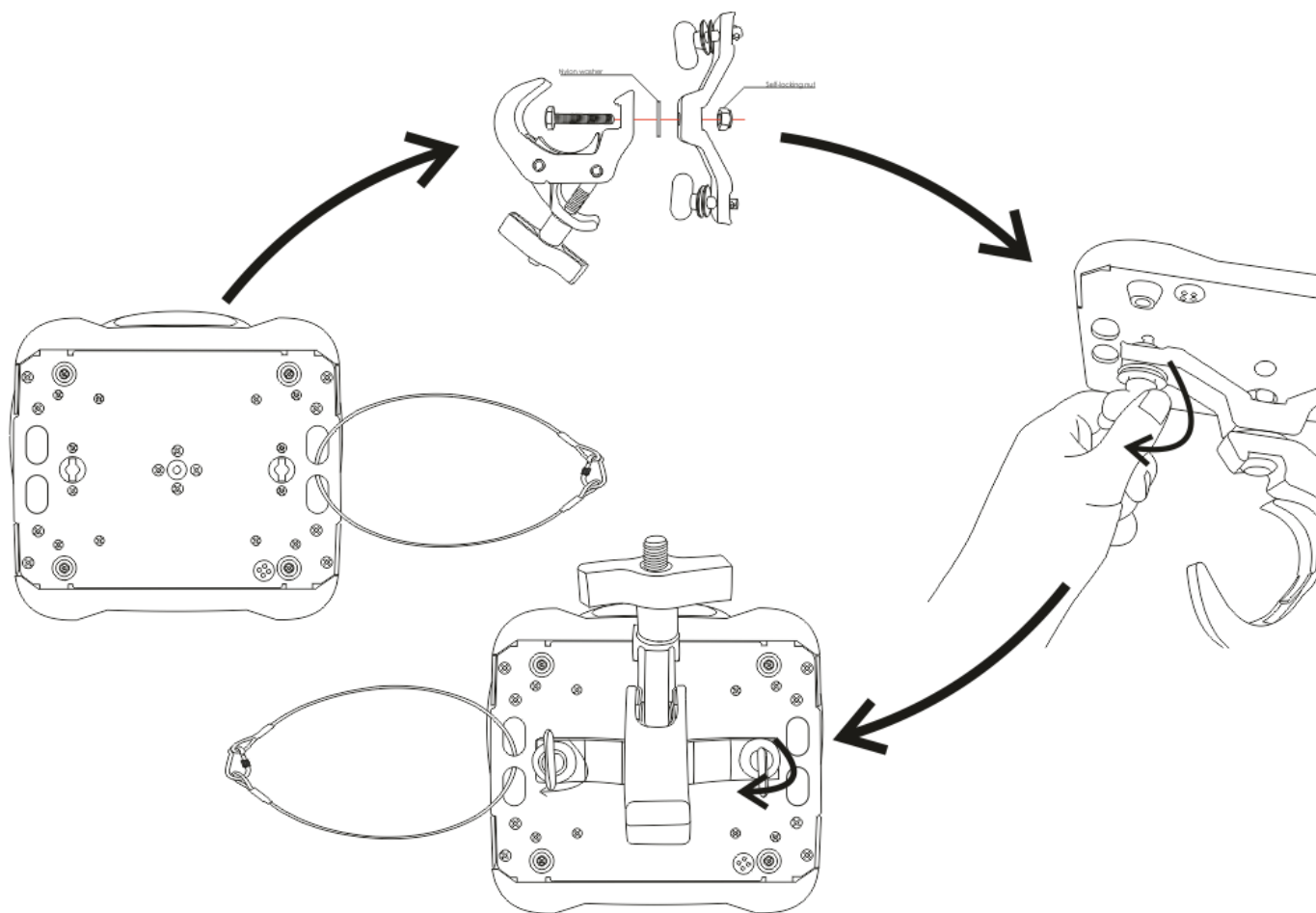
## Procedure:

- If the projector is lowered from the ceiling or high joists, professional trussing systems have to be used.
- Use a clamp to mount the projector, with the mounting-bracket, to the trussing system.
- The projector must never be fixed swinging freely in the room.
- The installation must always be secured with a safety attachment, e.g. an appropriate safety net or safety-cable.
- When rigging, derigging or servicing the projector, always make sure, that the area below the installation place is blocked and staying in the area is forbidden.



The Infinity can be placed on a flat stage floor or mounted to any kind of truss by a clamp.

## Mounting a clamp to the underside of the Infinity moving head



Improper installation can cause serious damage to people and property !

## Connection with the mains

Connect the device to the mains with the power-plug.

Always pay attention, that the right color cable is connected to the right place.

| International                                                                     | EU Cable     | UK Cable | US Cable      | Pin   |
|-----------------------------------------------------------------------------------|--------------|----------|---------------|-------|
| L                                                                                 | BROWN        | RED      | YELLOW/COPPER | FASE  |
| N                                                                                 | BLUE         | BLACK    | SILVER        | NULL  |
|  | YELLOW/GREEN | GREEN    | GREEN         | EARTH |

Make sure that the device is always connected properly to the earth!



## Return Procedure



Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. Package must be clearly labeled with a Return Authorization Number (RMA number). Products returned without an RMA number will be refused. Highlite will not accept the returned goods or any responsibility. Call Highlite 0031-455667723 or mail [aftersales@highlite.nl](mailto:aftersales@highlite.nl) and request an RMA prior to shipping the fixture. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to properly pack fixture, any shipping damage resulting from inadequate packaging is the customer's responsibility. Highlite reserves the right to use its own discretion to repair or replace product(s). As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

**Note: If you are given an RMA number, please include the following information on a piece of paper inside the box:**

- 01) Your name
- 02) Your address
- 03) Your phone number
- 04) A brief description of the symptoms

## Claims

The client has the obligation to check the delivered goods immediately upon delivery for any shortcomings and/or visible defects, or perform this check after our announcement that the goods are at their disposal. Damage incurred in shipping is the responsibility of the shipper; therefore the damage must be reported to the carrier upon receipt of merchandise.

It is the customer's responsibility to notify and submit claims with the shipper in the event that a fixture is damaged due to shipping. Transportation damage has to be reported to us within one day after receipt of the delivery.

Any return shipment has to be made post-paid at all times. Return shipments must be accompanied with a letter defining the reason for return shipment. Non-prepaid return shipments will be refused, unless otherwise agreed in writing.

Complaints against us must be made known in writing or by fax within 10 working days after receipt of the invoice. After this period complaints will not be handled anymore.

Complaints will only then be considered if the client has so far complied with all parts of the agreement, regardless of the agreement of which the obligation is resulting.

## Description of the device

---

### Features

The Showtec Infinity iW-715 LED Wash is a moving-head with high output and great effects.

- Beam & Wash effect
- High torque motors
- Ultra-fast movements
- 1 Clamp rigging
- Dimmer curves: Linear, Square, I-Square, S curve
- Color balance: Separate RGBW adjustment
- On-Board: Battery powered full color display including gravity sensor
- LED source the shutter is electronic not mechanical.
- On-Board: 16x2 Character display
- DMX-control via standard DMX-controller
- User-selectable Pan & Tilt ranges, 540° / 360° / 180°
- Reverse Pan / Tilt movement
- Special: Pan / Tilt movement, blackout
- Pan 0° -- 540°, Tilt 0° -- 270°
- Pan/Tilt resolution: 16 bit
- Control: DMX-512, Master/Slave, Built-in Programs
- 10 Built in programs selectable by DMX
- Light Source: 7x 15W RGBW 4-in-1 LED
- Output: 25.200 Lux @ 2m.
- Beam Angle: 7°/25°/50° Manual adjustment
- Input Voltage: 100-240 VAC
- Continuous Power 173W max. at full output
- Dimmer: 0-100%
- Strobe: 0-20Hz
- Housing: Black Metal & Flame-retardant plastic
- Fixture Connection: XLR Data in/out (XLR 3-pin)
- Neutrik Powercon IN / OUT
- Fuse F4AL / 250V
- Dimensions: 204 x 219 x 342 mm (LxWxH)
- Weight: 6,1 kg
- User selectable Basic (7CH) or Advanced (14CH) operating modes

## Overview

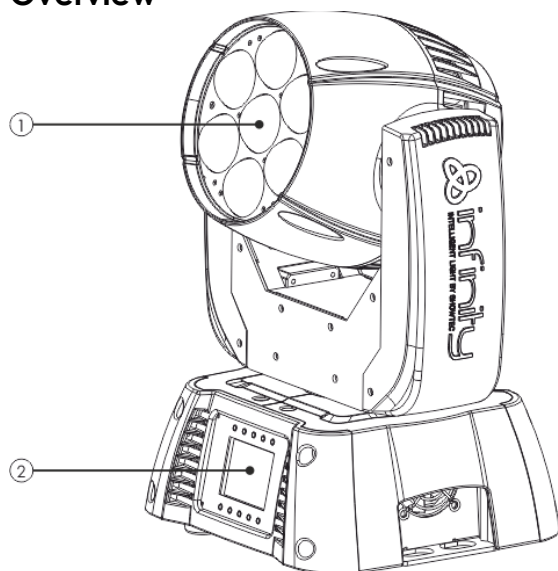
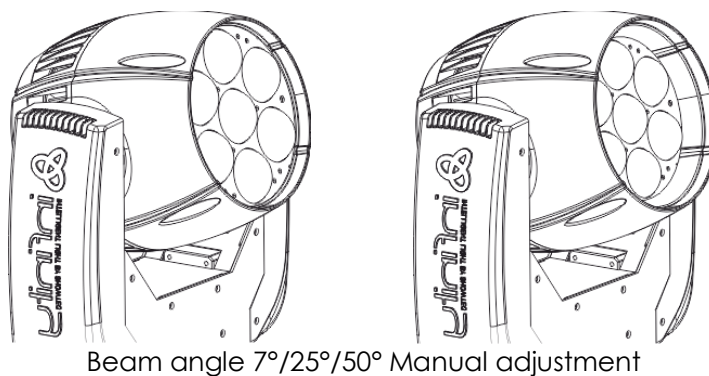
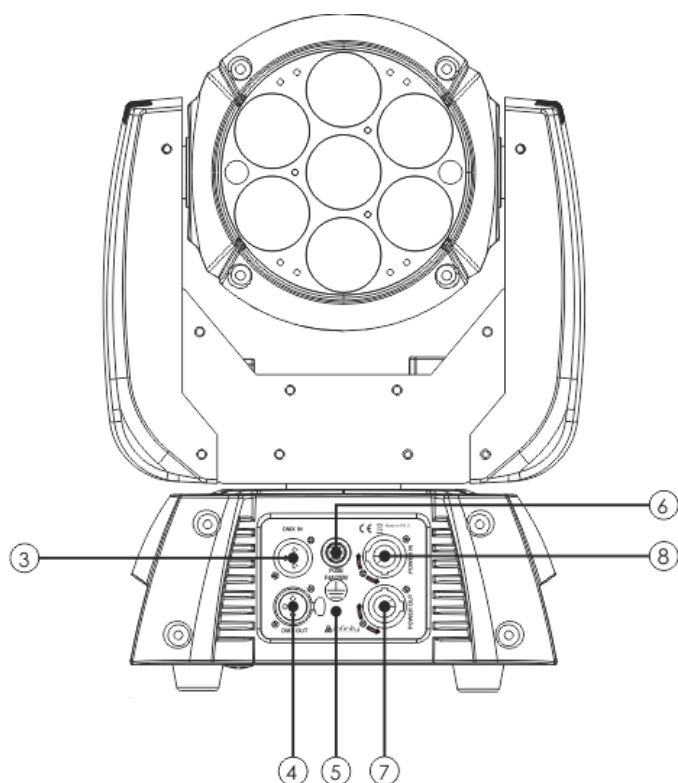


Fig. 01

- 01) Lens with variable beam angle
- 02) Menu Buttons + LCD Display



## Backside



- 03) DMX signal connector (IN) 3-pin
- 04) DMX signal connector (OUT) 3-pin
- 05) Earth connection
- 06) Fuse F4AL 250V
- 07) Neutrik Powercon OUT
- 08) Neutrik Powercon IN

Fig. 02

NOTE: Knowledge of DMX is required to fully utilize this unit.

## Installation

Remove all packing materials from the Infinity iW-715 LED Wash. Check that all foam and plastic padding is removed. Connect all cables.

**Do not supply power before the whole system is set up and connected properly.**

**Always disconnect from electric mains power supply before cleaning or servicing.**

**Damages caused by non-observance are not subject to warranty.**

## Set Up and Operation

Follow the directions below, as they pertain to your preferred operation mode.

Before plugging the unit in, always make sure that the power supply matches the product specification voltage. Do not attempt to operate a 120V specification product on 230V power, or vice versa.

### Control Modes

There are 3 modes:

- Stand-alone (built-in programs)
- Master/Slave
- DMX512 (14 Channels ADVANCED or 7 channel BASIC)

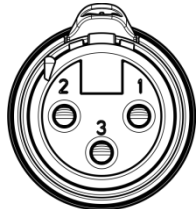
### One Infinity (Built-in Programs)

- 01) Fasten the effect light onto firm trussing. Leave at least 1 meter on all sides for air circulation.
- 02) Always use a safety cable (ordercode 70140 / 70141).
- 03) Plug the end of the electric mains power cord into a proper electric power supply socket.
- 04) When the Infinity is not connected by a DMX-cable, it functions as a stand-alone device.  
Please see page 16 for more information about the built-in programs.

### Multiple Infinity's (Master/Slave control)

- 01) Fasten the effect light onto firm trussing. Leave at least 1 meter on all sides for air circulation.
- 02) Always use a safety cable (ordercode 70140 / 70141).
- 03) Plug the end of the electric mains power cord into a proper electric power supply socket.
- 04) Use a 3-p XLR cable to connect the Infinity.

The pins:



1. Earth
2. Signal (-)
3. Signal (+)

- 05) Link the units as shown in (Fig. 3), Connect a DMX signal cable from the first unit's DMX "out" socket to the second unit's "in" socket. Repeat this process to link the second, third, and fourth units. You can use the same functions on the master device as described on page 15 (Built-in Programs or Music control)). This means on the master device you can set your desired operation Mode and all slave devices will react the same as the master device.

### Multiple Infinity's (Master/Slave control)

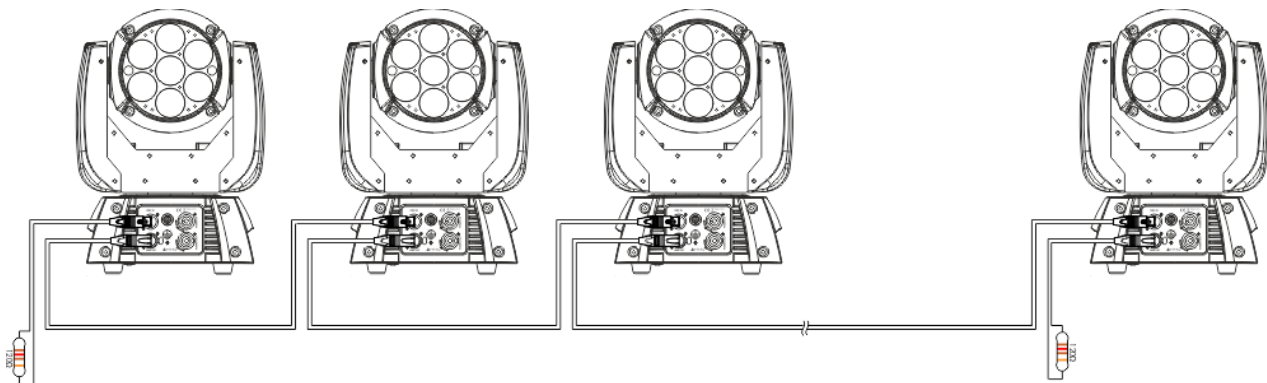
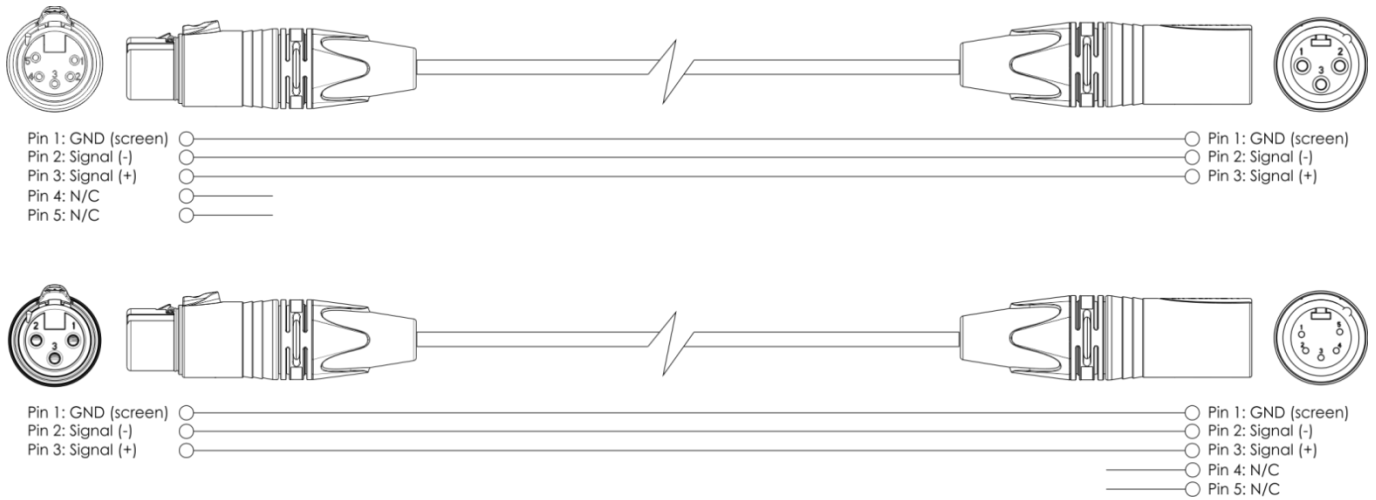


Fig. 03

## Multiple Infinity's (DMX Control)

- 01) Fasten the effect light onto firm trussing. Leave at least 1 meter on all sides for air circulation.
- 02) Always use a safety cable (ordercode 70140 / 70141).
- 03) Plug the end of the electric mains power cord into a proper electric power supply socket.
- 04) Use a 3-p XLR cable to connect the Infinity's and other devices.



- 05) Link the units as shown in (figure 4), Connect a DMX signal cable from the first unit's DMX "out" socket to the second unit's "in" socket. Repeat this process to link the second, third, and fourth units.
- 06) Supply electric power: Plug electric mains power cords into each unit's IEC socket, then plug the other end of the mains power cord into proper electric power supply sockets, starting with the first unit. Do not supply power before the whole system is set up and connected properly.

## Multiple Infinity's DMX Set Up

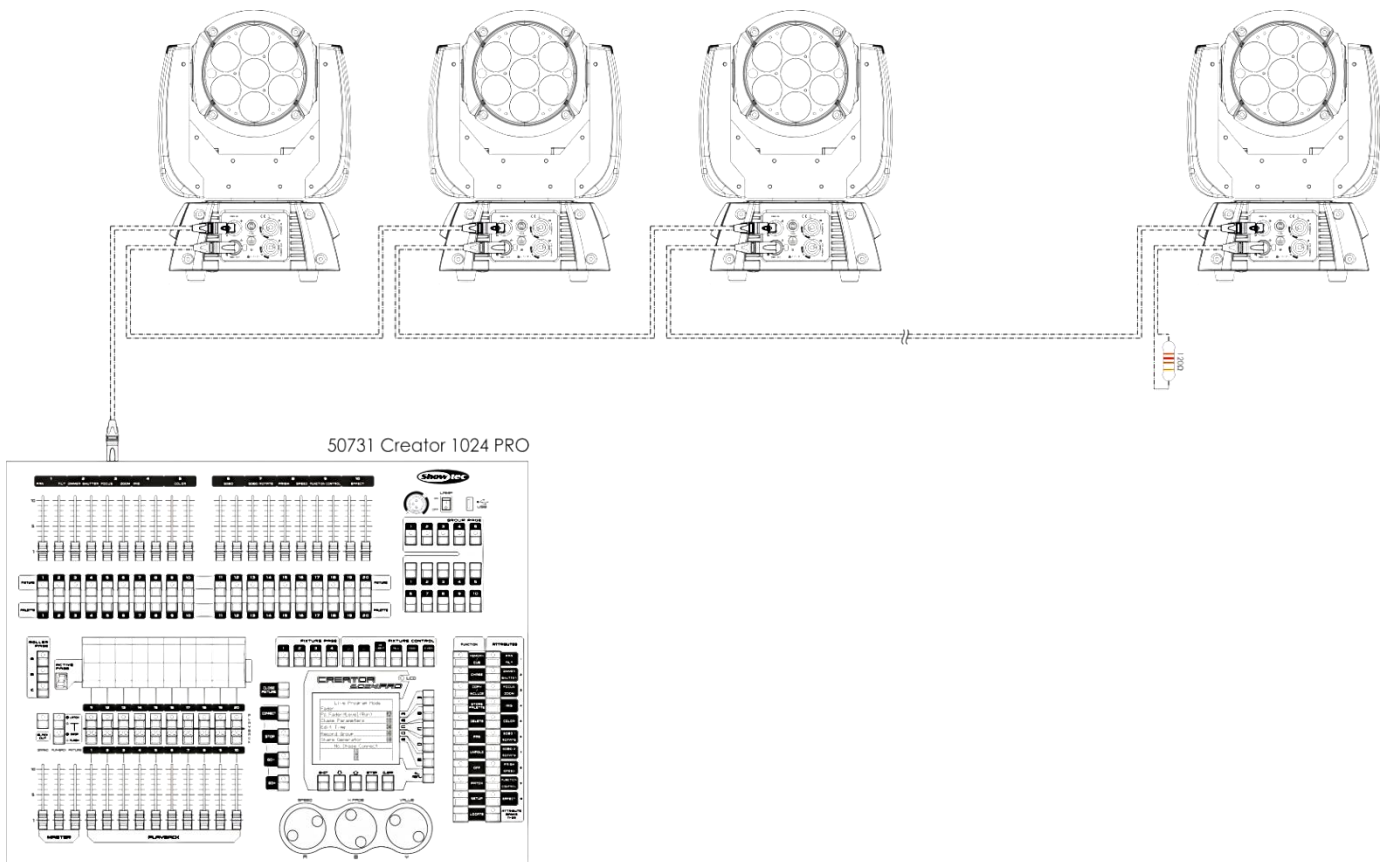


Fig. 04

**Note : Link all cables before connecting electric power**

### Fixture Linking

You will need a serial data link to run light shows of one or more fixtures using a DMX-512 controller or to run synchronized shows on two or more fixtures set to a master/slave operating mode. The combined number of channels required by all the fixtures on a serial data link determines the number of fixtures the data link can support.

**Important:** Fixtures on a serial data link must be daisy chained in one single line. To comply with the EIA-485 standard no more than 30 devices should be connected on one data link. Connecting more than 30 fixtures on one serial data link without the use of a DMX optically isolated splitter may result in deterioration of the digital DMX signal.



Maximum recommended DMX data link distance: 100 meters  
Maximum recommended number of Infinity's on a DMX data link: 30 fixtures

### Data Cabling

To link fixtures together you must obtain data cables. You can purchase DAP Audio certified DMX cables directly from a dealer/distributor or construct your own cable. If you choose to create your own cable please use data-grade cables that can carry a high quality signal and are less prone to electromagnetic interference.

#### DAP Audio Certified DMX Data Cables

- DAP Audio cable for allround use. bal. XLR/M 3 p. > XLR/F 3 p.  
Ordercode FL01150 (1,5m.), FL013 (3m.), FL016 (6m.), FL0110 (10m.), FL0115 (15m.), FL0120 (20m.).
- DAP Audio cable for the demanding user with exceptional audio-qualities and connector made by Neutrik®. Ordercode FL71150 (1,5m.), FL713 (3m.), FL716 (6m.), FL7110 (10m.).

The Infinity iW-715 LED Wash can be operated with a controller in **control mode** or without the controller in **stand-alone mode**.

## Control Panel

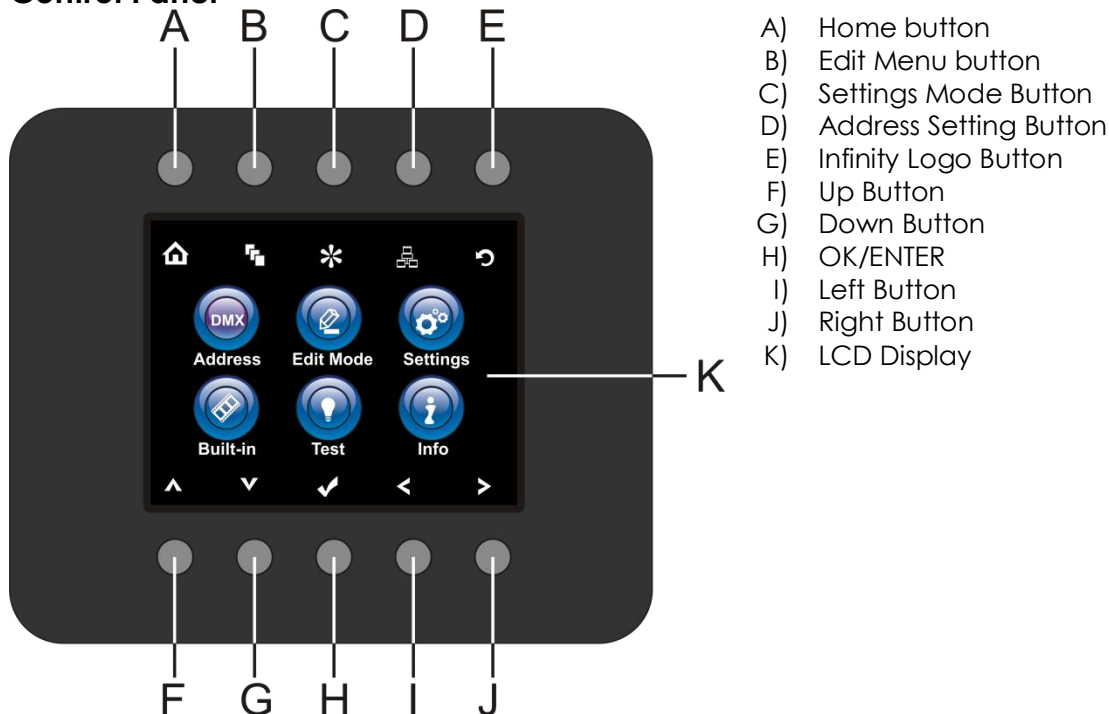


Fig. 05

## Control Mode

The fixtures are individually addressed on a data-link and connected to the controller. The fixtures respond to the DMX signal from the controller. (When you select the DMX address and save it, the controller will display the saved DMX address the next time.)

## DMX Addressing

The control panel on the front side of the base allows you to assign the DMX fixture address, which is the first channel from which the Infinity will respond to the controller.

Please note when you use the controller, the unit has **14** channels.

When using multiple Infinity's, make sure you set the DMX addresses right.

Therefore, the DMX address of the first Infinity's should be **1(001)**; the DMX address of the second Infinity should be **1+14=15 (015)**; the DMX address of the third Infinity should be **15+14=29 (029)**, etc.

Please, be sure that you don't have any overlapping channels in order to control each Infinity correctly. If two or more Infinity's are addressed similarly, they will work similarly.

For address settings, please refer to the instructions under "Addressing".

## Controlling:

After having addressed all Infinity fixtures, you may now start operating these via your lighting controller.

**Note:** After switching on, the Infinity will automatically detect whether DMX 512 data is received or not. If there is no data received at the DMX-input, the "LED" on the control panel will not flash.

The problem may be:

- The XLR cable from the controller is not connected with the input of the Infinity.
- The controller is switched off or defective, the cable or connector is defective, or the signal wires are swapped in the input connector.

**Note:** It's necessary to insert a XLR termination plug (with 120 Ohm) in the last fixture in order to ensure proper transmission on the DMX data link.

## Menu Overview



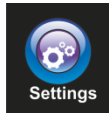
## Main Menu Options



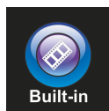
DMX address



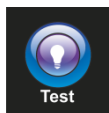
Edit Mode



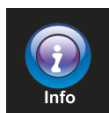
Settings Menu



Built-in Programs



Test Mode



Info



Home



Edit Menu



Setting Mode



Address Setting



Infinity Logo



Up



Down



OK



Left



Right

### 1. DMX Addressing

With this menu you can set the DMX address.

01) Press the



button and select



02) Press the



button, to confirm. You can choose 512 different DMX addresses.

Use the Left /Right / Up / Down buttons to select the required address from **001** <sup>Up/Down</sup> **512**.

03) Once you have set the desired DMX address, press the



button to store your DMX address.

## 2. Edit Mode

With this menu you can set your desired mode.

01) Press the  button and select  Edit Mode .

02) Press the  button, to confirm. You can choose 3 different modes.  
Use the Up / Down buttons to select the required mode:

|                 |     |
|-----------------|-----|
| DMX MODE 7(CH)  | YES |
| DMX MODE 14(CH) | NO  |
| MASTER MODE     | NO  |

03) Once you have selected the desired mode, press the   buttons to change the value from No to YES.

04) Once you have selected the desired setting, press the  button to store your settings.

05) If the device has been set to master, all slave devices will follow the master movement.

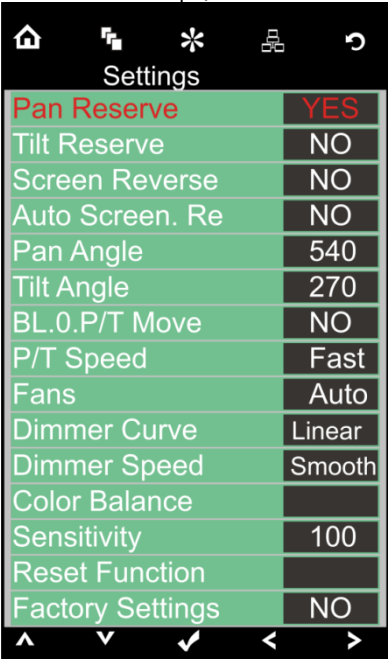
06) If the device has been set to slave, it will react the same as its master device.

## 3. Settings Menu

With this menu you can set your desired mode.

01) Press the  button and select  Settings .

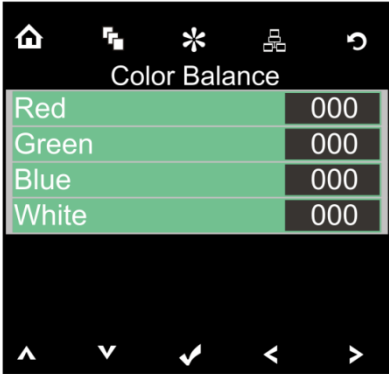
02) Press the  button, to confirm. You can choose 15 different modes.  
Use the Up / Down buttons to select the required mode:



Settings

|                  |        |
|------------------|--------|
| Pan Reserve      | YES    |
| Tilt Reserve     | NO     |
| Screen Reverse   | NO     |
| Auto Screen. Re  | NO     |
| Pan Angle        | 540    |
| Tilt Angle       | 270    |
| BL.0.P/T Move    | NO     |
| P/T Speed        | Fast   |
| Fans             | Auto   |
| Dimmer Curve     | Linear |
| Dimmer Speed     | Smooth |
| Color Balance    |        |
| Sensitivity      | 100    |
| Reset Function   |        |
| Factory Settings | NO     |

Color Balance

|       |     |
|-------|-----|
| Red   | 000 |
| Green | 000 |
| Blue  | 000 |
| White | 000 |



Reset Function

|          |     |
|----------|-----|
| Pan/Tilt | YES |
| All      | NO  |

- 03) Once you have selected the desired mode, press the   buttons to change the value from No to YES.
- 04) A couple of menus have more options, then your regular, yes or no function:
- Pan Angle: 540°, 360°, 180°
  - Tilt Angle: 270°, 180°, 90°
  - P/T Speed Fast, Slow
  - Fans Auto, Full
  - Dimmer Curve Linear, Square, I Squa, Scurve
  - Dimmer Speed Smooth, Fast
  - Sensitivity 001-100
- 05) If you press the OK button at the Color Balance, a new Menu will open.
- 06) In the color Balance menu you can set 4 colors: Red (000-255)  
Green (000-255)  
Blue (000-255)  
White (000-255)
- 07) If you press the OK button at the Reset function, a new Menu will open
- 08) You can set 2 different reset options: Pan/Tilt  
Reset All
- 09) Once you have selected the desired setting, press the  button to store your settings.

#### 4. Built-in Programs

With this menu you can set your desired mode.

- 01) Press the  button and select .
- 02) Press the  button, to confirm. You can choose 10 different modes.  
Use the Up / Down buttons to select the required mode:

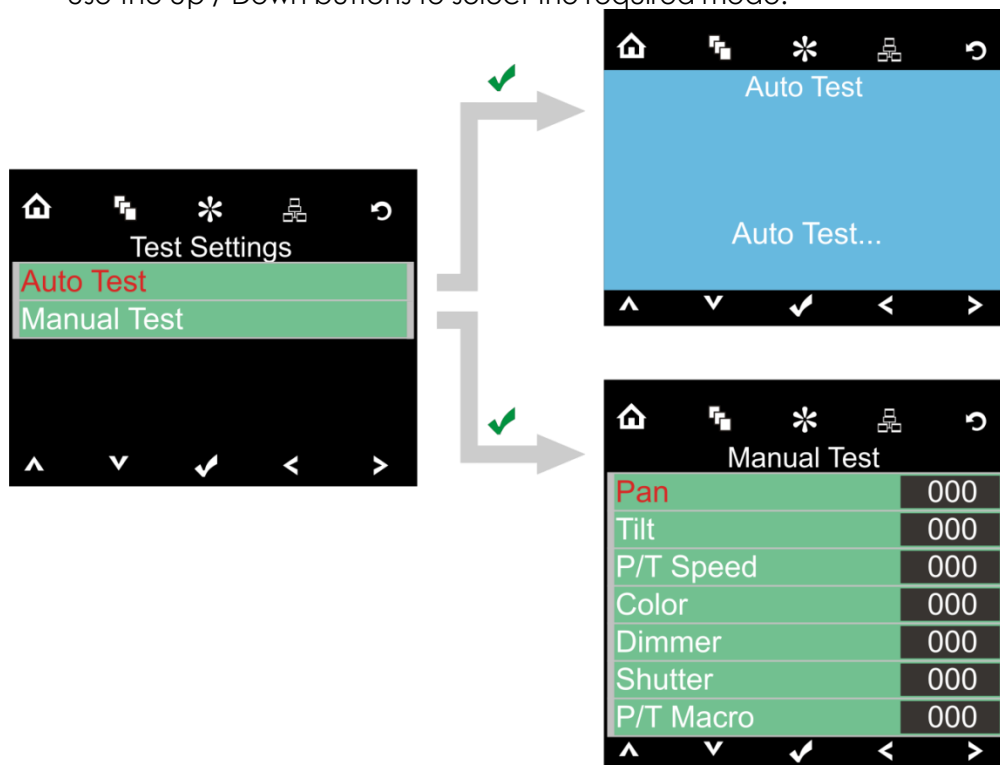
|                  |     |
|------------------|-----|
| Program Number 0 | YES |
| Program Number 1 | NO  |
| Program Number 2 | NO  |
| Program Number 3 | NO  |
| Program Number 4 | NO  |
| Program Number 5 | NO  |
| Program Number 6 | NO  |
| Program Number 7 | NO  |
| Program Number 8 | NO  |
| Program Number 9 | NO  |

- 03) Once you have selected the desired mode, press the   buttons to change the value from No to YES.
- 04) Once you have selected the desired setting, press the  button to store your settings.

## 5. Test Menu

With this menu you can set your desired mode.

- 01) Press the  button and select .
- 02) Press the  button, to confirm. You can choose 2 different modes.  
Use the Up / Down buttons to select the required mode:

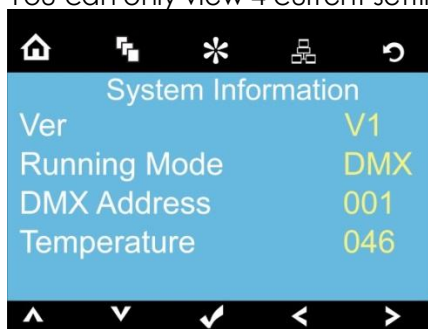


- 03) Once you have selected the desired mode, press the   buttons to change the value from 000 to 255.
- 04) If you press the OK button at the Manual Test, a new Menu will open.
- 05) You can set 7 different Test options.
- 06) Once you have selected the desired setting, press the  button to store your settings.

## 6. Information Menu

With this menu you can set your desired mode.

- 01) Press the  button and select .
- 02) Press the  button, to confirm.
- 03) You can only view 4 current settings, you cannot change anything



## DMX Channels

### 14 Channels (Advanced)

#### Channel 1 – Horizontal movement (Pan)

Push the slider up, in order to move head horizontally (PAN).

Gradual head adjustment from one end of the slider to the other (0-255, 128-center).

The head can be turned by 540° and stopped at any position you wish.

#### Channel 2 – Vertical movement (Tilt)

Push the slider, up in order to move head vertically (TILT).

Gradual head adjustment from one end of the slider to the other (0-255, 128-center).

The head can be turned by 270° and stopped at any position you wish.

#### Channel 3 – Pan fine 16 bit

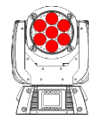
#### Channel 4 – Tilt fine 16 bit

#### Channel 5 – PAN/TILT Speed

0-255 From Max Speed (0) to Min. Speed (255)

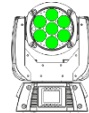
#### Channel 6 – Red Dimmer intensity (CH11 and CH12 must be open )

0-255 Red from 0 – 100%



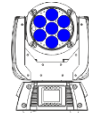
#### Channel 7 – Green Dimmer intensity (CH11 and CH12 must be open )

0-255 Green from 0 – 100%



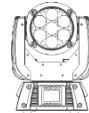
#### Channel 8 – Blue Dimmer intensity (CH11 and CH12 must be open )

0-255 Blue from 0 – 100%



#### Channel 9 – White Dimmer intensity (CH11 and CH12 must be open )

0-255 White from 0 – 100%



#### Channel 10 – Built-in Colors (Dimmer and Shutter must be open )

0-4 No Function

5-9 Color 1

10-14 Color 2

15-19 Color 3

20-24 Color 4

25-29 Color 5

30-34 Color 6

35-39 Color 7

40-44 Color 8

45-49 Color 9

50-54 Color 10

55-59 Color 11

60-64 Color 12

65-69 Color 13

70-74 Color 14

75-79 Color 15

80-84 Color 16

85-89 Color 17

|         |          |
|---------|----------|
| 90-94   | Color 18 |
| 95-99   | Color 19 |
| 100-104 | Color 20 |
| 105-109 | Color 21 |
| 110-114 | Color 22 |
| 115-119 | Color 23 |
| 120-124 | Color 24 |

**Channel 11 – Dimmer (Shutter and Colors RGBW must be open )**  
0-255 From black to brightest

**Channel 12 – Shutter / Strobe (Dimmer must be open )**

|         |                                                                         |
|---------|-------------------------------------------------------------------------|
| 0-19    | Close                                                                   |
| 20-24   | Shutter open                                                            |
| 25-64   | Strobe effect 1, from fast to slow                                      |
| 65-69   | Shutter open                                                            |
| 70-84   | Strobe effect 2 (fast on and slow off), from fast to slow               |
| 85-89   | Shutter open                                                            |
| 90-104  | Strobe effect 3 (slow on and fast off), from fast to slow               |
| 105-109 | Shutter open                                                            |
| 110-124 | Strobe effect 4 (random strobe), from fast to slow                      |
| 125-129 | Shutter open                                                            |
| 130-144 | Strobe effect 5 (random strobe fast on and slow off), from fast to slow |
| 145-149 | Shutter open                                                            |
| 150-164 | Strobe effect 6 (random strobe slow on and fast off), from fast to slow |
| 165-169 | Shutter open                                                            |
| 170-184 | Strobe effect 7 (pulse strobe), from fast to slow                       |
| 185-189 | Shutter open                                                            |
| 190-204 | Strobe effect 8 (random pulse frequency strobe), from fast to slow      |
| 205-209 | Shutter open                                                            |
| 210-224 | Strobe effect 9 (strobe light, gradually destroy), from fast to slow    |
| 225-229 | Shutter open                                                            |
| 230-244 | Strobe effect 10 (pulse strobe), from fast to slow                      |
| 245-255 | Shutter open                                                            |

**Channel 13 – Channel Functions**

|         |                                   |
|---------|-----------------------------------|
| 0-9     | No Function                       |
| 10-14   | Blackout during Pan/Tilt movement |
| 15-19   | Reserved                          |
| 20-24   | Reserved                          |
| 25-29   | Reserved                          |
| 30-34   | Reserved                          |
| 35-39   | Reserved                          |
| 40-44   | Reserved                          |
| 45-49   | Reserved                          |
| 50-54   | Reset Pan after 3 seconds         |
| 55-59   | Reset Tilt after 3 seconds        |
| 60-64   | Reserved                          |
| 65-69   | Reserved                          |
| 70-74   | Reset all                         |
| 75-79   | Reserved                          |
| 80-84   | Reserved                          |
| 85-89   | Reserved                          |
| 90-94   | Reserved                          |
| 95-99   | Reserved                          |
| 100-104 | Reserved                          |
| 105-109 | Reserved                          |
| 110-114 | Reserved                          |
| 115-119 | Pan/Tilt Speed Fast               |
| 120-124 | Pan/Tilt Speed Slow               |
| 125-129 | Fan Full Speed                    |
| 130-134 | Fan Temperature controlled        |
| 135-139 | Dimming Fast                      |
| 140-144 | Dimming Smooth                    |
| 145-239 | No Function                       |
| 240-247 | XY Smoothing model open           |
| 248-255 | XY Smoothing model to shut down   |

**Channel 14 – Built-in Programs; Use in combination with CH 6 - CH 9**

|         |                            |
|---------|----------------------------|
| 0-7     | No Function                |
| 8-23    | Built-in Program 1         |
| 24-39   | Built-in Program 2         |
| 40-55   | Built-in Program 3         |
| 56-71   | Built-in Program 4         |
| 72-87   | Built-in Program 5         |
| 88-103  | Built-in Program 6         |
| 104-119 | Built-in Program 7         |
| 120-135 | Built-in Program 8         |
| 136-151 | Sound-controlled Program 1 |
| 152-167 | Sound-controlled Program 2 |
| 168-183 | Sound-controlled Program 3 |
| 184-199 | Sound-controlled Program 4 |
| 200-215 | Sound-controlled Program 5 |
| 216-231 | Sound-controlled Program 6 |
| 232-249 | Sound-controlled Program 7 |
| 247-255 | Sound-controlled Program 8 |

## 7 Channels (Basic)

### Channel 1 – Horizontal movement (Pan)

Push the slider up, in order to move head horizontally (PAN).

Gradual head adjustment from one end of the slider to the other (0-255, 128-center).

The head can be turned by 540° and stopped at any position you wish.

### Channel 2 – Vertical movement (Tilt)

Push the slider, up in order to move head vertically (TILT).

Gradual head adjustment from one end of the slider to the other (0-255, 128-center).

The head can be turned by 270° and stopped at any position you wish.

### Channel 3 – PAN/TILT Speed

0-255 From Max Speed (0) to Min. Speed (255)

### Channel 4 – Built-in Colors (Dimmer and Shutter must be open )

|         |             |
|---------|-------------|
| 0-4     | No Function |
| 5-9     | Color 1     |
| 10-14   | Color 2     |
| 15-19   | Color 3     |
| 20-24   | Color 4     |
| 25-29   | Color 5     |
| 30-34   | Color 6     |
| 35-39   | Color 7     |
| 40-44   | Color 8     |
| 45-49   | Color 9     |
| 50-54   | Color 10    |
| 55-59   | Color 11    |
| 60-64   | Color 12    |
| 65-69   | Color 13    |
| 70-74   | Color 14    |
| 75-79   | Color 15    |
| 80-84   | Color 16    |
| 85-89   | Color 17    |
| 90-94   | Color 18    |
| 95-99   | Color 19    |
| 100-104 | Color 20    |
| 105-109 | Color 21    |
| 110-114 | Color 22    |
| 115-119 | Color 23    |
| 120-124 | Color 24    |
| 125-129 | Color 25    |
| 130-134 | Color 26    |
| 135-139 | Color 27    |
| 140-144 | Color 28    |
| 145-149 | Color 29    |
| 150-154 | Color 30    |
| 155-159 | Color 31    |
| 160-164 | Color 32    |
| 165-169 | Color 33    |
| 170-174 | Color 34    |

|         |                                  |
|---------|----------------------------------|
| 175-179 | No Function                      |
| 180-201 | CW Color-flow from fast to slow  |
| 202-207 | Stop color at this point         |
| 208-229 | CCW Color-flow from fast to slow |
| 230-234 | No Function                      |
| 235-249 | Color Jump from fast to slow     |
| 250-255 | Sound-controlled                 |

**Channel 5 – Dimmer (Shutter and Colors RGBW must be open )**  
 0-255 From black to brightest

**Channel 6 – Shutter / Strobe (Dimmer must be open )**

|         |                                                                         |
|---------|-------------------------------------------------------------------------|
| 0-19    | Close                                                                   |
| 20-24   | Shutter open                                                            |
| 25-64   | Strobe effect 1, from fast to slow                                      |
| 65-69   | Shutter open                                                            |
| 70-84   | Strobe effect 2 (fast on and slow off), from fast to slow               |
| 85-89   | Shutter open                                                            |
| 90-104  | Strobe effect 3 (slow on and fast off), from fast to slow               |
| 105-109 | Shutter open                                                            |
| 110-124 | Strobe effect 4 (random strobe), from fast to slow                      |
| 125-129 | Shutter open                                                            |
| 130-144 | Strobe effect 5 (random strobe fast on and slow off), from fast to slow |
| 145-149 | Shutter open                                                            |
| 150-164 | Strobe effect 6 (random strobe slow on and fast off), from fast to slow |
| 165-169 | Shutter open                                                            |
| 170-184 | Strobe effect 7 (pulse strobe), from fast to slow                       |
| 185-189 | Shutter open                                                            |
| 190-204 | Strobe effect 8 (random pulse frequency strobe), from fast to slow      |
| 205-209 | Shutter open                                                            |
| 210-224 | Strobe effect 9 (strobe light, gradually destroy), from fast to slow    |
| 225-229 | Shutter open                                                            |
| 230-244 | Strobe effect 10 (pulse strobe), from fast to slow                      |
| 245-255 | Shutter open                                                            |

**Channel 7 – Built-in Programs**

|         |                            |
|---------|----------------------------|
| 0-7     | No Function                |
| 8-23    | Built-in Program 1         |
| 24-39   | Built-in Program 2         |
| 40-55   | Built-in Program 3         |
| 56-71   | Built-in Program 4         |
| 72-87   | Built-in Program 5         |
| 88-103  | Built-in Program 6         |
| 104-119 | Built-in Program 7         |
| 120-135 | Built-in Program 8         |
| 136-151 | Sound-controlled Program 1 |
| 152-167 | Sound-controlled Program 2 |
| 168-183 | Sound-controlled Program 3 |
| 184-199 | Sound-controlled Program 4 |
| 200-215 | Sound-controlled Program 5 |
| 216-231 | Sound-controlled Program 6 |
| 232-249 | Sound-controlled Program 7 |
| 247-255 | Sound-controlled Program 8 |

## Channel settings

| 41520 Infinity IW-715 Fixture-settings |     |      |          |           |                |     |       |      |       |                                                      |        |                                     |                                        |                                         |
|----------------------------------------|-----|------|----------|-----------|----------------|-----|-------|------|-------|------------------------------------------------------|--------|-------------------------------------|----------------------------------------|-----------------------------------------|
| Channel                                | 1   | 2    | 3        | 4         | 5              | 6   | 7     | 8    | 9     | 10                                                   | 11     | 12                                  | 13                                     | 14                                      |
| Function                               | Pan | Tilt | Pan-Fine | Tilt-Fine | Pan/Tilt Speed | Red | Green | Blue | White | Built-in Colors                                      | Dimmer | Shutter                             | Functions                              | Mobile Macros                           |
| 255                                    | 255 | 255  | 255      | 255       | 255 Slow       | 255 | 255   | 255  | 255   | 255-255 Sound-activated Color jump from fast to slow | 255    | 245-255 Shutter open                | 248-255 XY Smoothing Model to shutdown | 248-255 Sound-controlled Mobile Macro 8 |
| 128                                    | 128 | 128  | 128      | 128       | 128            | 128 | 128   | 128  | 128   | 255-249 Color jump from fast to slow                 | 255    | 230-244 Strobe 10 from fast to slow | 240-247 XY Smoothing Model Open        | 232-247 Sound-controlled Mobile Macro 7 |
| 0                                      | 0   | 0    | 0        | 0         | 0 Fast         | 0   | 0     | 0    | 0     | 255-234 No Function                                  | 255    | 225-229 Shutter open                | 145-239 No Function                    | 216-231 Sound-controlled Mobile Macro 6 |
|                                        |     |      |          |           |                |     |       |      |       | 208-229 CCW Color Flow from fast to slow             | 255    | 210-224 Strobe 9 from fast to slow  | 135-139 Dimming Fast                   | 200-215 Sound-controlled Mobile Macro 5 |
|                                        |     |      |          |           |                |     |       |      |       | 203-207 Stop color at this point                     | 255    | 205-209 Shutter open                | 130-134 Fan temperature controlled     | 184-199 Sound-controlled Mobile Macro 4 |
|                                        |     |      |          |           |                |     |       |      |       | 185-201 CW Color Flow from fast to slow              | 255    | 190-204 Strobe 8 from fast to slow  | 125-129 Fan Full Speed                 | 168-183 Sound-controlled Mobile Macro 3 |
|                                        |     |      |          |           |                |     |       |      |       | 175-179 No Function                                  | 255    | 185-189 Shutter open                | 120-124 Pan/Tilt Speed Slow            | 152-167 Sound-controlled Mobile Macro 2 |
|                                        |     |      |          |           |                |     |       |      |       | 170-174 Color 34                                     | 255    | 170-184 Strobe 7 from fast to slow  | 115-119 Pan/Tilt Speed Fast            | 136-151 Sound-controlled Mobile Macro 1 |
|                                        |     |      |          |           |                |     |       |      |       | 165-169 Color 33                                     | 255    | 165-169 Shutter open                | 110-114 Reserved                       | 120-135 Automatic Mobile Macro 8        |
|                                        |     |      |          |           |                |     |       |      |       | 160-164 Color 32                                     | 255    | 150-164 Strobe 6 from fast to slow  | 105-109 Reserved                       | 104-119 Automatic Mobile Macro 7        |
|                                        |     |      |          |           |                |     |       |      |       | 155-159 Color 31                                     | 255    | 145-149 Shutter open                | 100-104 Reserved                       | 88-103 Automatic Mobile Macro 6         |
|                                        |     |      |          |           |                |     |       |      |       | 150-154 Color 30                                     | 255    | 140-144 Strobe 5 from fast to slow  | 95-99 Reserved                         | 72-87 Automatic Mobile Macro 5          |
|                                        |     |      |          |           |                |     |       |      |       | 145-149 Color 29                                     | 255    | 130-144 Strobe 4 from fast to slow  | 90-94 Pan Reset                        | 56-71 Automatic Mobile Macro 4          |
|                                        |     |      |          |           |                |     |       |      |       | 140-144 Color 28                                     | 255    | 125-129 Shutter open                | 85-89 Reserved                         | 40-55 Automatic Mobile Macro 3          |
|                                        |     |      |          |           |                |     |       |      |       | 135-139 Color 27                                     | 255    | 110-124 Strobe 3 from fast to slow  | 80-84 Reserved                         | 24-39 Automatic Mobile Macro 2          |
|                                        |     |      |          |           |                |     |       |      |       | 130-134 Color 26                                     | 255    | 105-109 Shutter open                | 75-79 Reserved                         | 8-23 Automatic Mobile Macro 1           |
|                                        |     |      |          |           |                |     |       |      |       | 125-129 Color 25                                     | 255    | 100-104 Strobe 2 from fast to slow  | 70-74 All Reset                        | 0-7 No Function                         |
|                                        |     |      |          |           |                |     |       |      |       | 120-124 Color 24                                     | 255    | 95-99 Shutter open                  | 65-69 Reserved                         |                                         |
|                                        |     |      |          |           |                |     |       |      |       | 115-119 Color 23                                     | 255    | 90-104 Strobe 1 from fast to slow   | 60-64 Reserved                         |                                         |
|                                        |     |      |          |           |                |     |       |      |       | 110-114 Color 22                                     | 255    | 85-89 Shutter open                  | 55-59 Tilt Reset                       |                                         |
|                                        |     |      |          |           |                |     |       |      |       | 105-109 Color 21                                     | 255    | 80-84 Strobe 0                      | 50-54 Pan Reset                        |                                         |
|                                        |     |      |          |           |                |     |       |      |       | 100-104 Color 20                                     | 255    | 75-79 Shutter open                  | 45-49 Reserved                         |                                         |
|                                        |     |      |          |           |                |     |       |      |       | 95-99 Color 19                                       | 255    | 70-84 Strobe 2 from fast to slow    | 40-44 Reserved                         |                                         |
|                                        |     |      |          |           |                |     |       |      |       | 90-94 Color 18                                       | 255    | 65-69 Shutter open                  | 35-39 Reserved                         |                                         |
|                                        |     |      |          |           |                |     |       |      |       | 85-89 Color 17                                       | 255    | 60-64 Strobe 1 from fast to slow    | 30-34 Reserved                         |                                         |
|                                        |     |      |          |           |                |     |       |      |       | 80-84 Color 16                                       | 255    | 55-59 Shutter open                  | 25-29 Reserved                         |                                         |
|                                        |     |      |          |           |                |     |       |      |       | 75-79 Color 15                                       | 255    | 50-54 Strobe 0                      | 20-24 Reserved                         |                                         |
|                                        |     |      |          |           |                |     |       |      |       | 70-74 Color 14                                       | 255    | 45-49 Shutter open                  | 15-19 Reserved                         |                                         |
|                                        |     |      |          |           |                |     |       |      |       | 65-69 Color 13                                       | 255    | 40-44 Strobe 0                      | 10-14 Pan/Tilt interrupt               |                                         |
|                                        |     |      |          |           |                |     |       |      |       | 60-64 Color 12                                       | 255    | 35-39 Shutter open                  | 0-9 No Function                        |                                         |
|                                        |     |      |          |           |                |     |       |      |       | 55-59 Color 11                                       | 255    | 30-34 Strobe 0                      |                                        |                                         |
|                                        |     |      |          |           |                |     |       |      |       | 50-54 Color 10                                       | 255    | 25-29 Shutter open                  |                                        |                                         |
|                                        |     |      |          |           |                |     |       |      |       | 45-49 Color 9                                        | 255    | 20-24 Strobe 0                      |                                        |                                         |
|                                        |     |      |          |           |                |     |       |      |       | 40-44 Color 8                                        | 255    | 15-19 Shutter open                  |                                        |                                         |
|                                        |     |      |          |           |                |     |       |      |       | 35-39 Color 7                                        | 255    | 10-14 Strobe 0                      |                                        |                                         |
|                                        |     |      |          |           |                |     |       |      |       | 30-34 Color 6                                        | 255    | 5-9 Shutter open                    |                                        |                                         |
|                                        |     |      |          |           |                |     |       |      |       | 25-29 Color 5                                        | 255    | 0-4 No Function                     |                                        |                                         |
|                                        |     |      |          |           |                |     |       |      |       | 20-24 Color 4                                        | 255    |                                     |                                        |                                         |
|                                        |     |      |          |           |                |     |       |      |       | 15-19 Color 3                                        | 255    |                                     |                                        |                                         |
|                                        |     |      |          |           |                |     |       |      |       | 10-14 Color 2                                        | 255    |                                     |                                        |                                         |
|                                        |     |      |          |           |                |     |       |      |       | 5-9 Color 1                                          | 255    |                                     |                                        |                                         |
|                                        |     |      |          |           |                |     |       |      |       | 0-4 No Function                                      | 255    |                                     |                                        |                                         |

Fig. 06

## Maintenance

The Showtec Infinity iW-715 LED Wash requires almost no maintenance. However, you should keep the unit clean. Otherwise, the fixture's light-output will be significantly reduced. Disconnect the mains power supply and then wipe the cover with a damp cloth. Wipe the front glass panel clean with glass cleaner and a soft cloth. Do not use alcohol or solvents. The front glass panel will require weekly cleaning, as smoke-fluid tends to build up residues, reducing the light-output very quickly. Do not immerse in liquid. The cooling-fans, colour-wheel, the gobowheel, the gobos and the internal lenses should be cleaned monthly with a soft brush.

Please clean internal components once a year with a light brush and vacuum cleaner.

Keep connections clean. Disconnect electric power, and then wipe the DMX and audio connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

The operator has to make sure that safety-relating and machine-technical installations are to be inspected by an expert after every year in the course of an acceptance test.

The operator has to make sure that safety-relating and machine-technical installations are to be inspected by a skilled person once a year.

The following points have to be considered during the inspection:

- 01) All screws used for installing the device or parts of the device have to be tightly connected and must not be corroded.
- 02) There may not be any deformations on housings, fixations and installation spots.
- 03) Mechanically moving parts like axles, eyes and others may not show any traces of wearing.
- 04) The electric power supply cables must not show any damages or material fatigue.

## Replacing a Fuse

Power surges, short-circuit or inappropriate electrical power supply may cause a fuse to burn out. If the fuse burns out, the product will not function whatsoever. If this happens, follow the directions below to do so.

- 01) Unplug the unit from electric power source.
- 02) Insert a screwdriver into the slot in the fuse cover. Turn the screwdriver to the left, at the same time gently push a bit (Turn and Push). The fuse will come out.
- 03) Remove the used fuse. If brown or unclear, it is burned out.
- 04) Insert the replacement fuse into the holder where the old fuse was. Reinsert the fuse cover. Be sure to use a fuse of the same type and specification. See the product specification label for details.

## Battery Replacement

(must be carried out by a qualified technician!)

- 01) Unplug the unit from the electric power source.
- 02) Remove the 6 screws on the front side of the Infinity.
- 03) Gently pull the front cover from the device.
- 04) Disconnect the plug from the PCB.
- 05) Remove the 2 screws holding the battery pack in place.
- 06) Replace the old battery pack with a new one.
- 07) Replace the maintenance cap and fasten all screws.

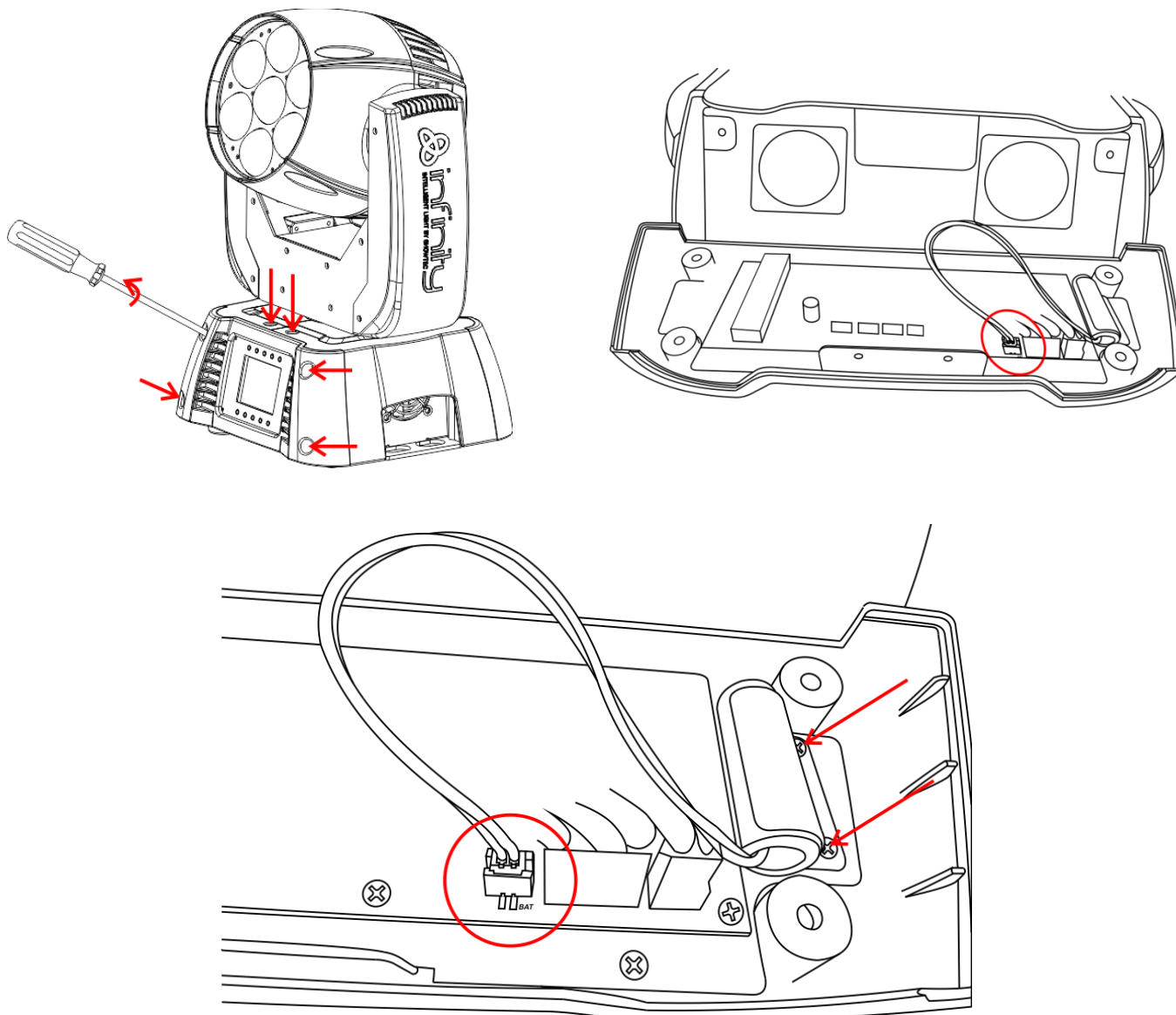


Fig. 07

## Troubleshooting

---

### No Light

This troubleshooting guide is meant to help solve simple problems.

If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.

If the light effect does not operate properly, refer servicing to a technician.

Response: Suspect four potential problem areas as: factory reset, the power supply, the LED, the fuse.

- 01) First try to reset the device to its original factory default settings (**3-Settings Menu** see page 15).
- 02) Power supply. Check that the unit is plugged into an appropriate power supply.
- 03) The LEDs. Return the Infinity to your Showtec dealer.
- 04) The fuse. Replace the fuse. See page 23 for replacing the fuse.
- 05) If all of the above appears to be O.K., plug the unit in again.
- 06) If you are unable to determine the cause of the problem, do not open the Infinity, as this may damage the unit and the warranty will become void.
- 07) Return the device to your Showtec dealer.

### No Response to DMX

Response: Suspect the DMX cable or connectors, a controller malfunction, a light effect DMX card malfunction.

- 01) Check the DMX setting. Make sure that DMX addresses are correct.
- 02) Check the DMX cable: Unplug the unit; change the DMX cable; then reconnect to electrical power. Try your DMX control again.
- 03) Determine whether the controller or light effect is at fault. Does the controller operate properly with other DMX products ? If not, take the controller in for repair. If so, take the DMX cable and the light effect to a qualified technician.

See next page for more problem solving.

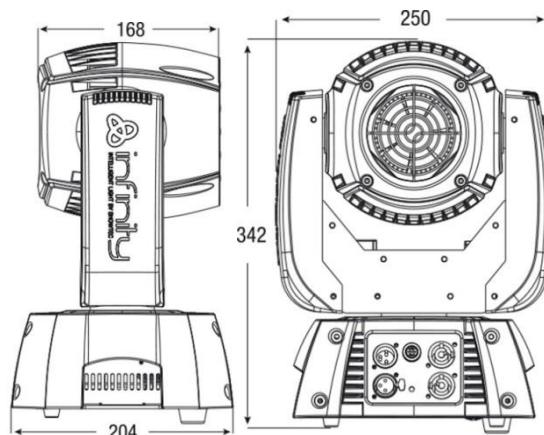
| <b>Problem</b>                                                                          | <b>Probable cause(s)</b>                                                                                           | <b>Remedy</b>                                                                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| One or more fixtures are completely dead.                                               | No power to the fixture.                                                                                           | <ul style="list-style-type: none"> <li>• Check that power is switched on and cables are plugged in.</li> </ul>                                                                                                                                              |
|                                                                                         | Primary fuse blown.                                                                                                | <ul style="list-style-type: none"> <li>• Replace fuse.</li> </ul>                                                                                                                                                                                           |
| Fixtures reset correctly, but all respond erratically or not at all to the controller.  | The controller is not connected.                                                                                   | <ul style="list-style-type: none"> <li>• Connect controller.</li> </ul>                                                                                                                                                                                     |
|                                                                                         | 3-pin XLR Out of the controller does not match XLR Out of the first fixture on the link (i.e. signal is reversed). | <ul style="list-style-type: none"> <li>• Install a phase reversing cable between the controller and the first fixture on the link.</li> </ul>                                                                                                               |
| Fixtures reset correctly, but some respond erratically or not at all to the controller. | Poor data quality                                                                                                  | <ul style="list-style-type: none"> <li>• Check data quality. If much lower than 100 percent, the problem may be a bad data link connection, poor quality or broken cables, missing termination plug, or a defective fixture disturbing the link.</li> </ul> |
|                                                                                         | Bad data link connection                                                                                           | <ul style="list-style-type: none"> <li>• Inspect connections and cables. Correct poor connections. Repair or replace damaged cables.</li> </ul>                                                                                                             |
|                                                                                         | Data link not terminated with 120 Ohm termination plug.                                                            | <ul style="list-style-type: none"> <li>• Insert termination plug in output jack of the last fixture on the link.</li> </ul>                                                                                                                                 |
|                                                                                         | Incorrect addressing of the fixtures.                                                                              | <ul style="list-style-type: none"> <li>• Check address setting.</li> </ul>                                                                                                                                                                                  |
|                                                                                         | One of the fixtures is defective and disturbs data transmission on the link.                                       | <ul style="list-style-type: none"> <li>• Bypass one fixture at a time until normal operation is regained: unplug both connectors and connect them directly together.</li> <li>• Have the defective fixture serviced by a qualified technician.</li> </ul>   |
|                                                                                         | 3-pin XLR Out on the fixtures does not match (pins 2 and 3 reversed).                                              | <ul style="list-style-type: none"> <li>• Install a phase-reversing cable between the fixtures or swap pin 2 and 3 in the fixture, that behaves erratically.</li> </ul>                                                                                      |
|                                                                                         |                                                                                                                    |                                                                                                                                                                                                                                                             |
| Shutter closes suddenly                                                                 | The color wheel, gobowheel or a gobo has lost its index position and the fixture is resetting the effect.          | <ul style="list-style-type: none"> <li>• Contact a technician for servicing the problem persists.</li> </ul>                                                                                                                                                |
| No light or lamp cuts out intermittently                                                | Fixture is too hot.                                                                                                | <ul style="list-style-type: none"> <li>• Allow fixture to cool.</li> <li>• Clean fan.</li> <li>• Make sure air vents at control panel and front lens are not blocked.</li> <li>• Turn up the air conditioning .</li> </ul>                                  |
|                                                                                         | LEDs damaged                                                                                                       | <ul style="list-style-type: none"> <li>• Disconnect fixture and return to your dealer.</li> </ul>                                                                                                                                                           |
|                                                                                         | The power supply settings do not match local AC voltage and frequency.                                             | <ul style="list-style-type: none"> <li>• Disconnect fixture. Check settings and correct if necessary.</li> </ul>                                                                                                                                            |

## Product Specification

|                   |                                  |
|-------------------|----------------------------------|
| Model:            | Showtec Infinity iW-715 LED Wash |
| Input Voltage:    | 100-240 VAC                      |
| Continuous Power: | 173W max. at full output         |
| Fuse:             | F4AL / 250V                      |
| Dimensions:       | 204 x 219 x 342 mm (LxWxH)       |
| Weight:           | 6,1 kg                           |

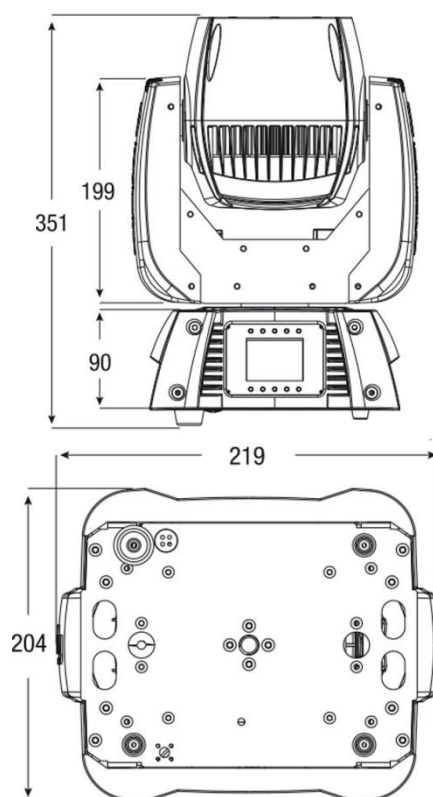
### Operation and Programming

|                        |                                   |
|------------------------|-----------------------------------|
| Signal pin OUT:        | pin 1 earth, pin 2 (-), pin 3 (+) |
| Set Up and Addressing: | LED control panel                 |
| Pan/Tilt resolution:   | 8-16 bit                          |
| DMX Channels:          | 14 or 7                           |
| XLR Data in/out:       | XLR 3-pin                         |



### Electro-mechanical effects

- On-Board: Battery powered full color display including gravity sensor
- LED source the shutter is electronic not mechanical.
- Beam & Wash effect
- High torque motors
- Ultra-fast movements
- 1 Clamp rigging
- Dimmer curves: Linear, Square, I-Square, S curve
- Color balance: Separate RGBW adjustment
- On-Board: 16x2 Character display
- DMX-control via standard DMX-controller
- User-selectable Pan & Tilt ranges, 540° / 360° / 180°
- Reverse Pan / Tilt movement
- Special: Pan / Tilt movement
- Pan 0° -- 540°, Tilt 0° -- 270°
- Pan/Tilt resolution: 16 bit
- Control: DMX-512, Master/Slave, Built-in Programs
- 10 Built in programs selectable by DMX
- 7x 15W RGBW 4-in-1 LED
- Output: 25.200 Lux @ 2m.
- Beam Angle: 7°/25°/50° Manual adjustment
- Dimmer: 0-100%
- Strobe: 0-20Hz
- Housing: Black Metal & Flame-retardant plastic
- Neutrik Powercon IN / OUT



Max. ambient temperature ta: 40°C; Max. housing temperature tB: 80°C  
 Motor: high quality stepping-motor controlled by microprocessors

### Minimum distance:

Minimum distance from flammable surfaces: 0.5m  
 Minimum distance to lighted object: 1.3m

Design and product specifications are subject to change without prior notice.



Website: [www.Showtec.info](http://www.Showtec.info)  
 Email: [service@highlite.nl](mailto:service@highlite.nl)

Notes







©2014 Showtec